

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110218\
 Data File : VN052117.D
 Acq On : 2 Nov 2018 9:53
 Operator : MD\SY
 Sample : VN1102WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 11:52:40 AM

Quant Time: Nov 02 22:40:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	340539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	588446	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	533132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	233648	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	230854	42.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.48%	
35) Dibromofluoromethane	7.59	113	197017	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	
50) Toluene-d8	10.09	98	749582	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.40	95	260273	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	85344	20.618	ug/l	97
3) Chloromethane	2.06	50	94236	18.064	ug/l	97
4) Vinyl Chloride	2.19	62	97720	17.403	ug/l	98
5) Bromomethane	2.57	94	67824	16.102	ug/l	98
6) Chloroethane	2.71	64	61491	16.961	ug/l	93
7) Trichlorofluoromethane	3.02	101	131145	20.452	ug/l	93
8) Diethyl Ether	3.41	74	45786	19.141	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.77	101	78098	20.644	ug/l	96
10) Methyl Iodide	3.95	142	94710	19.104	ug/l	99
11) Tert butyl alcohol	4.79	59	22063	80.625	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	68544	19.187	ug/l	87
13) Acrolein	3.61	56	17463	81.384	ug/l	99
14) Allyl chloride	4.33	41	119823	16.760	ug/l	95
15) Acrylonitrile	4.99	53	140985	90.121	ug/l	99
16) Acetone	3.82	43	108207	92.766	ug/l	94
17) Carbon Disulfide	4.06	76	195454	17.363	ug/l	96
18) Methyl Acetate	4.33	43	69520	18.722	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	207268	17.664	ug/l	99
20) Methylene Chloride	4.55	84	82063	18.463	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	76947	18.890	ug/l	92
22) Diisopropyl ether	5.96	45	260640	16.866	ug/l	98
23) Vinyl Acetate	5.90	43	944380	88.202	ug/l	100
24) 1,1-Dichloroethane	5.85	63	149909	17.349	ug/l	97
25) 2-Butanone	6.84	43	170448	93.165	ug/l	99
26) 2,2-Dichloropropane	6.83	77	119658	17.436	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	89523	18.402	ug/l	95
28) Bromochloromethane	7.20	49	70846	16.544	ug/l	88
29) Tetrahydrofuran	7.22	42	113254	92.917	ug/l	98
30) Chloroform	7.37	83	156537	18.149	ug/l	95
31) Cyclohexane	7.66	56	143833	15.949	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	132240	19.064	ug/l	96
36) 1,1-Dichloropropene	7.79	75	114046	19.060	ug/l	96
37) Ethyl Acetate	6.93	43	76385	19.073	ug/l	98
38) Carbon Tetrachloride	7.78	117	110694	21.456	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	140278	19.756	ug/l	98
40) Benzene	8.04	78	348712	20.149	ug/l	95
41) Methacrylonitrile	7.18	41	44096	21.419	ug/l	94
42) 1,2-Dichloroethane	8.13	62	112413	17.601	ug/l	96
43) Isopropyl Acetate	8.17	43	139707	19.613	ug/l	98
44) Trichloroethene	8.84	130	81906	21.162	ug/l	97
45) 1,2-Dichloropropane	9.12	63	90127	18.281	ug/l	98
46) Dibromomethane	9.21	93	55365	20.093	ug/l	92
47) Bromodichloromethane	9.40	83	114787	19.974	ug/l	98
48) Methyl methacrylate	9.20	41	69831	19.336	ug/l	99
49) 1,4-Dioxane	9.20	88	10555	364.887	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	388567	100.364	ug/l	99
52) Toluene	10.16	92	211653	20.259	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	114275	18.809	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	129300	19.163	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	75914	20.402	ug/l	97
56) Ethyl methacrylate	10.43	69	97231	18.267	ug/l	98
57) 1,3-Dichloropropane	10.71	76	133202	19.455	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	275785	97.409	ug/l	95
59) 2-Hexanone	10.75	43	265137	96.100	ug/l	98
60) Dibromochloromethane	10.90	129	79683	21.752	ug/l	100
61) 1,2-Dibromoethane	11.01	107	76428	20.661	ug/l	97
64) Tetrachloroethene	10.63	164	70252	21.751	ug/l	98
65) Chlorobenzene	11.43	112	230275	20.507	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	77709	22.040	ug/l	96
67) Ethyl Benzene	11.51	91	404536	20.202	ug/l	97
68) m/p-Xylenes	11.62	106	312008	43.531	ug/l	94
69) o-Xylene	11.95	106	148259	20.904	ug/l	97
70) Styrene	11.96	104	243167	21.190	ug/l	96
71) Bromoform	12.13	173	43036	20.344	ug/l #	98
73) Isopropylbenzene	12.25	105	393465	19.693	ug/l	99
74) N-amyl acetate	12.07	43	119614	17.154	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	97556	20.362	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	76473m	17.880	ug/l	
77) Bromobenzene	12.53	156	89378	21.380	ug/l	84
78) n-propylbenzene	12.59	91	470121	19.418	ug/l	98
79) 2-Chlorotoluene	12.67	91	265535	18.814	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	324396	19.952	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	23566	18.288	ug/l	98
82) 4-Chlorotoluene	12.77	91	278080	19.322	ug/l	96
83) tert-Butylbenzene	12.99	119	280626	20.546	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	324125	20.028	ug/l	98
85) sec-Butylbenzene	13.17	105	387062	19.838	ug/l	97
86) p-Isopropyltoluene	13.29	119	327769	20.627	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	161492	21.182	ug/l	95
88) 1,4-Dichlorobenzene	13.36	146	157432	20.603	ug/l	99
89) n-Butylbenzene	13.62	91	286299	18.893	ug/l	99
90) Hexachloroethane	13.88	117	52716	19.359	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	152291	21.246	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12470	18.644	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	59700	22.367	ug/l	98
94) Hexachlorobutadiene	15.01	225	33464	22.401	ug/l	99
95) Naphthalene	15.13	128	144324	21.558	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	53691	23.311	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

